



# Gulf of Mexico Harmful Algal Bloom Bulletin

16 July 2007

NOAA Ocean Service

NOAA Satellites and Information Service

Last bulletin: July 9, 2007

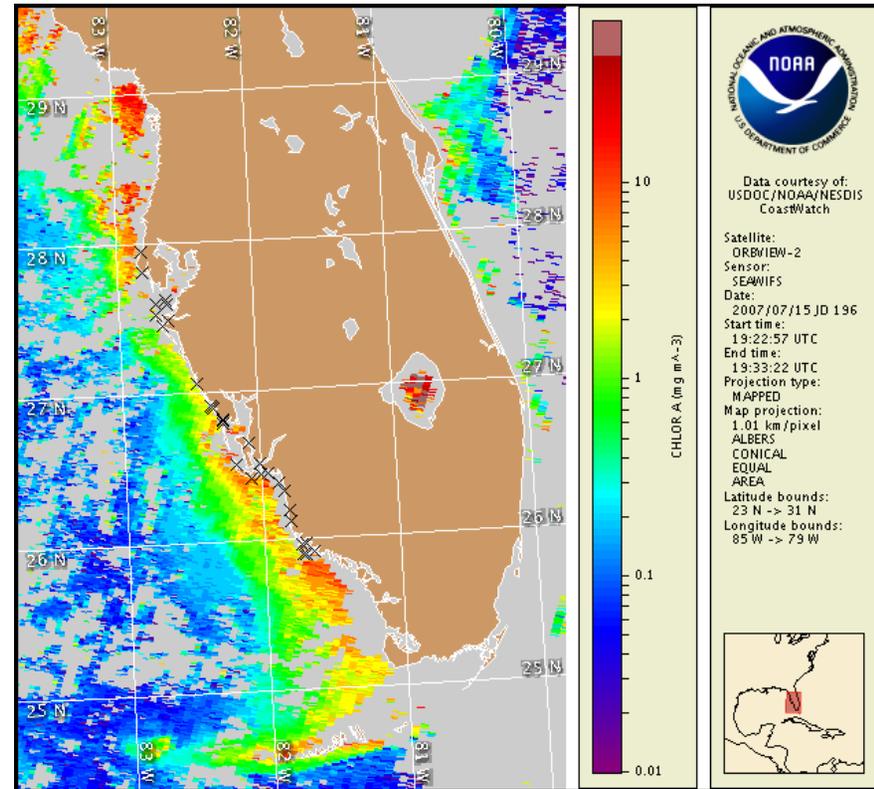
## Conditions Report

There is currently no indication of harmful algal bloom presence alongshore of southwest Florida, including the Keys region. No impacts are expected in any Florida County today through Sunday, July 22.

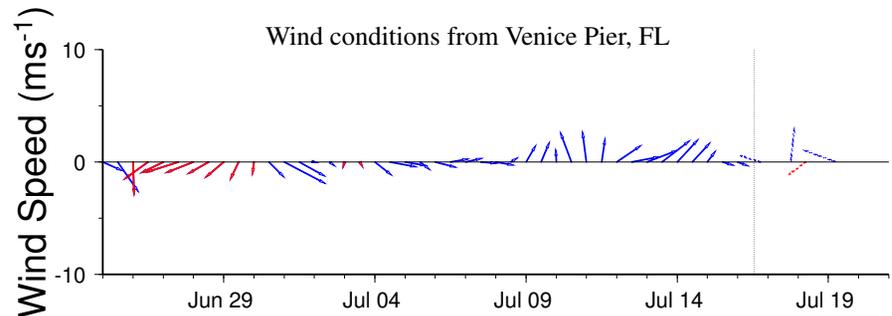
## Analysis

Recent samples and satellite imagery do not indicate the presence of harmful algal blooms in southwest Florida. Chlorophyll levels remain elevated in patches along the coast due to nonharmful algae. Primarily easterly winds are expected through Friday, minimizing the potential for nearshore *K. brevis* bloom formation.

~Fenstermacher, Keller



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from July 6-11 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the the HABFS bulletin guide: [http://www.csc.noaa.gov/crs/habf/habfs\\_bulletin\\_guide.pdf](http://www.csc.noaa.gov/crs/habf/habfs_bulletin_guide.pdf)

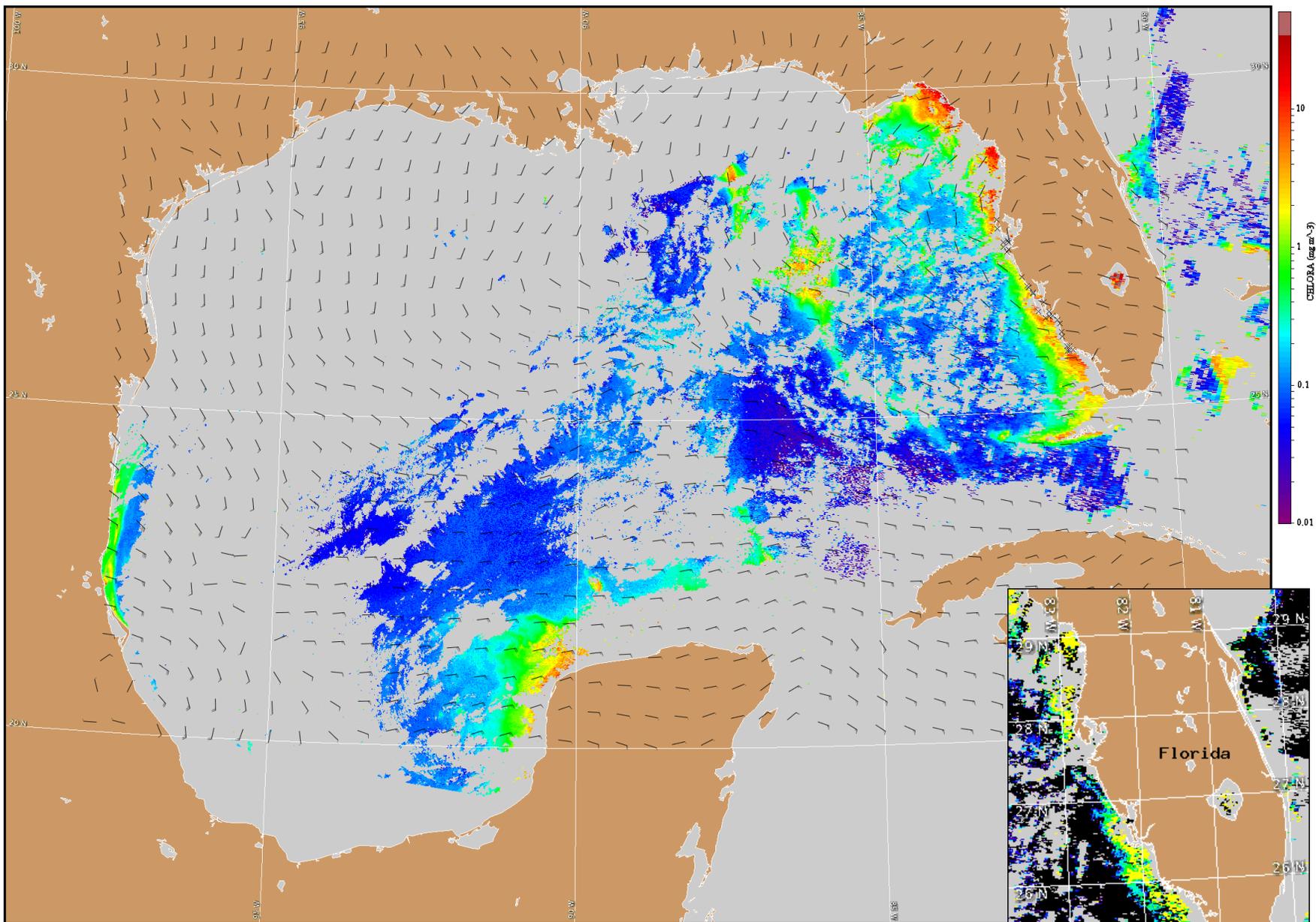


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

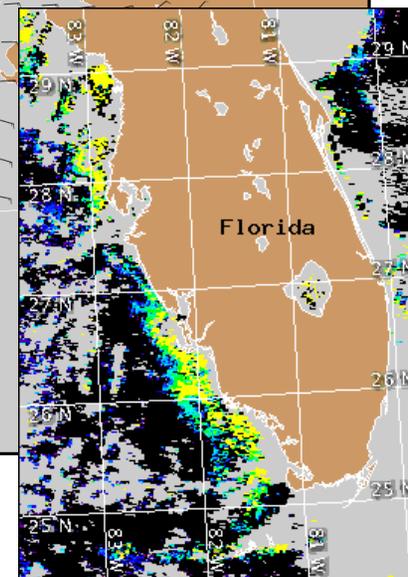
SW Florida: Southeast to easterly winds today through Friday (5-15 knots; 3-8 m/s) with onshore winds possible in the afternoons.

Please note the following restrictions on all SeaWiFS imagery derived from CoastWatch.

1. Data are restricted to civil marine applications only; i.e. federal, state, and local government use/distribution is permitted.
2. Image products may be published in newspapers. Any other publishing arrangements must receive GeoEye approval via the CoastWatch Program.



Satellite chlorophyll image and forecast winds for July 17, 2007 06Z with cell concentration sampling data from July 6-11 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the the HABFS bulletin guide: [http://www.csc.noaa.gov/crs/habf/habfs\\_bulletin\\_guide.pdf](http://www.csc.noaa.gov/crs/habf/habfs_bulletin_guide.pdf)



Verified HAB areas shown in red. Other bloom areas shown in yellow (see p. 1 analysis for interpretation).